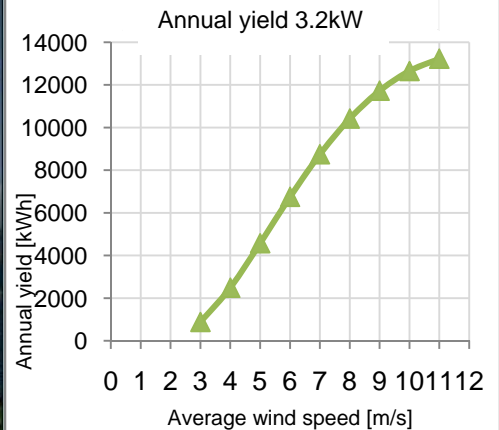


PROVEN 3.2 (3.2kW wind turbine)

PROVEN TM650 / TM1100 (6.5m / 11m self-supporting towers)

Rotor Speed Control

Above 12m/s
the blades cone to
self-adjust the rpm



High Build Quality

Most components are
hot-dip
galvanised steel, stainless steel
or
plastic

Performance

| | | |
|--------------------|---------|--------|
| Cut-in wind speed | 2.5 m/s | 5 mph |
| Cut-out wind speed | None | |
| Rated wind speed | 11 m/s | 25 mph |

Rotor

| | | |
|----------------------|-------------------------------|------|
| Type | Downwind, self-regulating | |
| Number of blades | 3 | |
| Blade material | Glass Polypropylene composite | |
| Rotor diameter | 3.5 m | 12ft |
| Rated speed | 300 RPM | |
| Maximum rotor thrust | 5 kN | |

Generator

| | | |
|-------------|--|--|
| Type | Brushless, direct drive, permanent magnet | |
| Output | Grid connect 300V DC, Battery Charging 48V DC Direct Heating 240V switch DC | |
| Rated power | 3200 W | |

Low Speed Equals Durability

Low rotor speed (half of the
speed of comparable machines)
ensures extended durability
of blades and bearings.
It also means that Proven
wind turbines
are extremely quiet.

Tower

| | | |
|-----------------|---|--|
| Type | Self-supporting, hinged, tapered | |
| Hub height | 6.5 m or 11 m | |
| Foundation size | 2.2 x 2.2 x 1.2 or 2.6 x 2.6 x 1.2 concrete | |

Weight

| | |
|------------|--------|
| Proven 3.2 | 190 kg |
| TM650 | 241 kg |
| TM1100 | 445 kg |

What will it power?

A standard three bed room home or 1,500 ft² facility,
excluding heating, small lighting systems in
commercial and telecoms base stations.